

DUNKIRK OIL-FIRED BOILERS

Dunkirk Empire II Oil-Fired Water Boilers

FEATURES:

- Cast iron sections and push nipples produce stronger more water tight seals than steel push nipples or rubber gaskets
- Quality burner options-Becket (standard) Carlin or Riello.
- Isolation valves eliminate the need to drain the system, making replacement quick and easy.
- Swing burner door.
- Solenoid oil valve.
- Insulated jacket
- Taco circulating pump.
- Limited 20 year warranty on heat exchanger.

STANDARD EQUIPMENT INCLUDES:

- Assembled boiler with insulated jacket.
- Honeywell L8148A combination high limit control and circulator relay, on boilers without optional tankless heater coil.
- Honeywell L8148C combination high limit control, low limit control and circulator relay, on boilers with optional tankless heater coil.
- Combustion chamber insulation system
- Combination temperature/pressure gauge.
- Barometric draft control 6".
- 3/4" boiler drain valve.
- 30 psi ASME relief valve.
- Solenoid oil shutoff valve.

OPTIONAL EQUIPMENT INCLUDES:

- Grundfos UP15-42F circulator with isolation ball valves.
- Fill-trol #110 for water boilers 150 MBH or less
- Fill-trol #111 for water boilers over 150 MBH.
- Carlin EZ1 or EZ2 burner.
- Riello R40 F5 or F10.



Dunkirk



# of Sections	Input MBH*	Htg. Cap. MBH*	Net I=B=R MBH*	Max. Firing Rate GPH**	Tankless Heater Capacity GPM***	Dimensions H x W x D In.	AFUE	Ship Wt.	Item# With Tankless Coil	Item# Without Tankless Coil
3	91	80	70	.65	2.90	36 x 20.5 x 28.25	86.3%	470 lbs.	3EW.65T*	3EW.65Z*
3	105	92	80	.75	3.00	36 x 20.5 x 28.25	85.2%	470 lbs.	3EW.75T*	3EW.75Z*
3	140	119	103	1.00	3.25	36 x 20.5 x 28.25	83.4%	470 lbs.	3EW1.00T	3EW1.00Z
4	126	111	97	.90	3.15	36 x 20.5 x 31.5	86.0%	545 lbs.	4EW.90T*	4EW.90Z*
4	175	150	130	1.25	3.50	36 x 20.5 x 31.5	83.9%	545 lbs.	4EW1.25T	4EW.1.25Z
4	210	178	155	1.50	3.75	36 x 20.5 x 31.5	82.4%	545 lbs.	4EW1.50T	4EW1.50Z
5	168	147	128	1.20	3.45	36 x 20.5 x 34.75	86.5%	630 lbs.	5EW1.20T*	5EW1.20Z*
5	245	209	182	1.75	4.00	36 x 20.5 x 34.75	83.6%	630 lbs.	5EW1.75T	5EW1.75Z
5	280	236	205	2.00	4.25	36 x 20.5 x 34.75	82.05%	630 lbs.	5EW2.00T	5EW2.00Z

*Meets energy star guidelines for energy efficiency.

*MBH = 1,000 btu per hour, BTU = British thermal unit.

**GPH gallons per hour, oil at 140,000 btu per gallon.

***Heating capacity based on 13% CO₂ with a No. -.02" WC draft over fires, and a #1 smoke or less.